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RAW SEQUENCE LISTING

DATE: 06/21/2001

PATENT APPLICATION: US/09/853,939

TIME: 17:35:43

Input Set : A:\YANAGAWA Sequence Listing.txt

Output Set: N:\CRF3\06212001\I853939.raw

ENTERED

3 <110> APPLICANT: YANAGAWA, Hiroshi
4 DOI, Nobuhide
5 NEMOTO, Naoto
7 <120> TITLE OF INVENTION: A sensor protein and its use
9 <130> FILE REFERENCE: 2001-0580A/WMC/01432
11 <140> CURRENT APPLICATION NUMBER: 09/853,939
C--> 12 <141> CURRENT FILING DATE: 2001-06-12
14 <150> PRIOR APPLICATION NUMBER: PCT/JP99/06261
15 <151> PRIOR FILING DATE: 1999-11-10
17 <160> NUMBER OF SEQ ID NOS: 13
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 35
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
27 <400> SEQUENCE: 1
28 gcgccatggt tgcataatgt gcctgtcaaa tggac 35
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 36
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
38 <400> SEQUENCE: 2
39 cgccatatgt tcactccatc caaaaaaacg ggtatg 36
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 25
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
49 <400> SEQUENCE: 3
50 gcccatatgg cgggggtgat gaccg 25
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 30
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
60 <400> SEQUENCE: 4
61 gccgagctct tatacaaggt cccactgccg 30
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 54
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:

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69 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
71 <400> SEQUENCE: 5
72 gccgctagcc atcatcatca tcatcatggt atgagtaaag gagaagaact ttic      54
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 39
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
82 <400> SEQUENCE: 6
83 gccggtaccc caagcttttc aatgttgtgg cgaattttg                        39
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 35
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
93 <400> SEQUENCE: 7
94 gccggtacca gaattcgatg gaagcgttca actag                            35
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 39
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
104 <400> SEQUENCE: 8
105 gccgagctct ctagattatt tgtatagttc atccatgcc                       39
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 44
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
115 <220> FEATURE:
W--> 116 <221> NAME/KEY: base
117 <222> LOCATION: (12)
118 <223> OTHER INFORMATION: n = a, g, c or t
120 <220> FEATURE:
W--> 121 <221> NAME/KEY: base
122 <222> LOCATION: (13)
123 <223> OTHER INFORMATION: n = a, g, c or t
125 <220> FEATURE:
W--> 126 <221> NAME/KEY: base
127 <222> LOCATION: (14)
128 <223> OTHER INFORMATION: n = a, g, c or t
130 <220> FEATURE:
W--> 131 <221> NAME/KEY: base
132 <222> LOCATION: (15)
133 <223> OTHER INFORMATION: n = a, g, c or t

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135 <220> FEATURE:
W--> 136 <221> NAME/KEY: base
137 <222> LOCATION: (16)
138 <223> OTHER INFORMATION: n = a, g, c or t
140 <220> FEATURE:
W--> 141 <221> NAME/KEY: base
142 <222> LOCATION: (17)
143 <223> OTHER INFORMATION: n = a, g, c or t
145 <400> SEQUENCE: 9
W--> 146 gcatcccggg cnnnnnnnttt aatcatcggc tcgtataatg tgtg 44
148 <210> SEQ ID NO: 10
149 <211> LENGTH: 36
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
156 <220> FEATURE:
W--> 157 <221> NAME/KEY: base
158 <222> LOCATION: (10)
159 <223> OTHER INFORMATION: n = a, g, c or t
161 <220> FEATURE:
W--> 162 <221> NAME/KEY: base
163 <222> LOCATION: (11)
164 <223> OTHER INFORMATION: n = a, g, c or t
166 <220> FEATURE:
W--> 167 <221> NAME/KEY: base
168 <222> LOCATION: (12)
169 <223> OTHER INFORMATION: b = g, c or t
171 <220> FEATURE:
W--> 172 <221> NAME/KEY: base
173 <222> LOCATION: (13)
174 <223> OTHER INFORMATION: n = a, g, c or t
176 <220> FEATURE:
W--> 177 <221> NAME/KEY: base
178 <222> LOCATION: (14)
179 <223> OTHER INFORMATION: n = a, g, c or t
181 <220> FEATURE:
W--> 182 <221> NAME/KEY: base
183 <222> LOCATION: (15)
184 <223> OTHER INFORMATION: b = g, c or t
186 <220> FEATURE:
W--> 187 <221> NAME/KEY: base
188 <222> LOCATION: (16)
189 <223> OTHER INFORMATION: n = a, g, c or t
191 <220> FEATURE:
W--> 192 <221> NAME/KEY: base
193 <222> LOCATION: (17)
194 <223> OTHER INFORMATION: n = a, g, c or t
196 <220> FEATURE:

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Input Set : A:\YANAGAWA Sequence Listing.txt

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W--> 197 <221> NAME/KEY: base
      198 <222> LOCATION: (18)
      199 <223> OTHER INFORMATION: b = g, c or t
      201 <400> SEQUENCE: 10
W--> 202 gccaaagcttn nbnbnbnbca cccagaaacg ctggtg 36
      204 <210> SEQ ID NO: 11
      205 <211> LENGTH: 39
      206 <212> TYPE: DNA
      207 <213> ORGANISM: Artificial Sequence
      209 <220> FEATURE:
      210 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
      212 <220> FEATURE:
W--> 213 <221> NAME/KEY: base
      214 <222> LOCATION: (10)
      215 <223> OTHER INFORMATION: v = a, g or c
      217 <220> FEATURE:
W--> 218 <221> NAME/KEY: base
      219 <222> LOCATION: (11)
      220 <223> OTHER INFORMATION: n = a, g, c or t
      222 <220> FEATURE:
W--> 223 <221> NAME/KEY: base
      224 <222> LOCATION: (12)
      225 <223> OTHER INFORMATION: n = a, g, c or t
      227 <220> FEATURE:
W--> 228 <221> NAME/KEY: base
      229 <222> LOCATION: (13)
      230 <223> OTHER INFORMATION: v = a, g or c
      232 <220> FEATURE:
W--> 233 <221> NAME/KEY: base
      234 <222> LOCATION: (14)
      235 <223> OTHER INFORMATION: n = a, g, c or t
      237 <220> FEATURE:
W--> 238 <221> NAME/KEY: base
      239 <222> LOCATION: (15)
      240 <223> OTHER INFORMATION: n = a, g, c or t
      242 <220> FEATURE:
W--> 243 <221> NAME/KEY: base
      244 <222> LOCATION: (16)
      245 <223> OTHER INFORMATION: v = a, g or c
      247 <220> FEATURE:
W--> 248 <221> NAME/KEY: base
      249 <222> LOCATION: (17)
      250 <223> OTHER INFORMATION: n = a, g, c or t
      252 <220> FEATURE:
W--> 253 <221> NAME/KEY: base
      254 <222> LOCATION: (18)
      255 <223> OTHER INFORMATION: n = a, g, c or t
      257 <400> SEQUENCE: 11
W--> 258 gccgaattcv nnnnnnncc aatgcttaat cagtgaggc 39

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TIME: 17:35:43

Input Set : A:\YANAGAWA Sequence Listing.txt

Output Set: N:\CRF3\06212001\I853939.raw

260 <210> SEQ ID NO: 12
261 <211> LENGTH: 23
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
268 <400> SEQUENCE: 12
269 aaactcgagt acaactataa ctc 23
271 <210> SEQ ID NO: 13
272 <211> LENGTH: 43
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
279 <400> SEQUENCE: 13
280 gcccataatgc atcatcatca tcatcatgcg ggggtgatga ccg 43

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/853,939

DATE: 06/21/2001

TIME: 17:35:44

Input Set : A:\YANAGAWA Sequence Listing.txt

Output Set: N:\CRF3\06212001\I853939.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:116 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:126 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:131 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:136 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:157 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:162 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:167 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:177 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:187 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:192 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:213 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:218 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:223 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:228 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:238 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:243 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:248 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:253 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11